



PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/937,059

DATE: 08/06/2002
TIME: 09:50:56

Input Set : A:\pf0681pct_seqlist.txt
Output Set: N:\CRF3\08062002\I937059.raw

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 5 YUE, Henry
 6 LAL, Preeti
 7 TANG, Y. Tom
 8 HILLMAN, Jennifer L.
 9 REDDY, Roopa
 10 BANDMAN, Olga
 11 BAUGHN, Mariah R.
 12 Lu, Dyung Aina L.
 13 AZIMZAI, Yalda
 14 YANG, Junming
 16 <120> TITLE OF INVENTION: HUMAN TRANSMEMBRANE PROTEINS
 18 <130> FILE REFERENCE: PF-0681 PCT
 C--> 20 <140> CURRENT APPLICATION NUMBER: US/09/937,059
 C--> 21 <141> CURRENT FILING DATE: 2002-05-28
 23 <150> PRIOR APPLICATION NUMBER: 60/125,537; 60 139,565
 W--> 24 <151> PRIOR FILING DATE: 1999-03-22; 1999-06-16
 26 <160> NUMBER OF SEQ ID NOS: 58
 28 <170> SOFTWARE: PERL Program
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 417
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Homo sapiens
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <223> OTHER INFORMATION: Incyte ID No: 1316927CD1
 39 <400> SEQUENCE: 1
 40 Met Trp Lys Gly Leu Val Lys Arg Asn Ala Ser Val Glu Thr Val
 41 1 5 10 15
 42 Asp Asn Lys Thr Ser Glu Asp Val Thr Met Ala Ala Ala Ser Pro
 43 20 25 30
 44 Val Thr Leu Thr Lys Gly Thr Ser Ala Ala His Leu Asn Ser Met
 45 35 40 45
 46 Glu Val Thr Thr Glu Asp Thr Ser Arg Thr Asp Val Ser Glu Pro
 47 50 55 60
 48 Ala Thr Ser Gly Gly Ala Ala Asp Gly Val Thr Ser Ile Ala Pro
 49 65 70 75
 50 Thr Ala Val Ala Ser Ser Thr Thr Ala Ala Ser Ile Thr Thr Ala
 51 80 85 90
 52 Ala Ser Ser Met Thr Val Ala Ser Ser Ala Pro Thr Thr Ala Ala
 53 95 100 105
 54 Ser Ser Thr Thr Val Ala Ser Ile Ala Pro Thr Thr Ala Ala Ser
 55 110 115 120

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ENTERED

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56 Ser Met Thr Ala Ala Ser Ser Thr Pro Met Thr Leu Ala Leu Pro
57 125 130 135
58 Ala Pro Thr Ser Thr Ser Thr Gly Arg Thr Pro Ser Thr Thr Ala
59 140 145 150
60 Thr Gly His Pro Ser Leu Ser Thr Ala Leu Ala Gln Val Pro Lys
61 155 160 165
62 Ser Ser Ala Leu Pro Arg Thr Ala Thr Leu Ala Thr Leu Ala Thr
63 170 175 180
64 Arg Ala Gln Thr Val Ala Thr Thr Ala Asn Thr Ser Ser Pro Met
65 185 190 195
66 Ser Thr Arg Pro Ser Pro Ser Lys His Met Pro Ser Asp Thr Ala
67 200 205 210
68 Ala Ser Pro Val Pro Pro Met Arg Pro Gln Ala Gln Gly Pro Ile
69 215 220 225
70 Ser Gln Val Ser Val Asp Gln Pro Val Val Asn Thr Thr Asn Lys
71 230 235 240
72 Ser Thr Pro Met Pro Ser Asn Thr Thr Pro Glu Pro Ala Pro Thr
73 245 250 255
74 Pro Thr Val Val Thr Thr Thr Lys Ala Gln Ala Arg Glu Pro Thr
75 260 265 270
76 Ala Ser Pro Val Pro Val Pro His Thr Ser Pro Ile Pro Glu Met
77 275 280 285
78 Glu Ala Met Ser Pro Thr Thr Gln Pro Ser Pro Met Pro Tyr Thr
79 290 295 300
80 Gln Arg Ala Ala Gly Pro Gly Thr Ser Gln Ala Pro Glu Gln Val
81 305 310 315
82 Glu Thr Glu Ala Thr Pro Gly Thr Asp Ser Thr Gly Pro Thr Pro
83 320 325 330
84 Arg Ser Ser Gly Gly Thr Lys Met Pro Ala Thr Asp Ser Cys Gln
85 335 340 345
86 Pro Ser Thr Gln Gly Gln Tyr Met Val Val Thr Thr Glu Pro Leu
87 350 355 360
88 Thr Gln Ala Val Val Asp Lys Thr Leu Leu Leu Val Val Leu Leu
89 365 370 375
90 Leu Gly Val Thr Leu Phe Ile Thr Val Leu Val Leu Phe Ala Leu
91 380 385 390
92 Gln Ala Tyr Glu Ser Tyr Lys Lys Lys Asp Tyr Thr Gln Val Asp
93 395 400 405
94 Tyr Leu Ile Asn Gly Met Tyr Ala Asp Ser Glu Met
95 410 415
96 <210> SEQ ID NO: 2
97 <211> LENGTH: 316
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <223> OTHER INFORMATION: Incyte ID No: 1354891CD1
105 <400> SEQUENCE: 2
106 Met Pro Lys Asn Phe Trp Ala Gly Val Gly Ile Val Cys Arg Phe

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Input Set : A:\pf0681pct_seqlist.txt
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107 1 5 10 15
 108 Arg Glu Gln Asp Ser Phe Pro Pro Ala Ser Ala Ser Cys Pro Ala
 109 20 25 30
 110 Leu Leu Ala Leu Ser Pro Thr Leu Pro Ser Pro Val Phe Leu Phe
 111 35 40 45
 112 Gln Val Pro Ala Ile Glu Glu Asn Leu Leu Asp Asp Lys His Leu
 113 50 55 60
 114 Leu Lys Pro Trp Asp Ala Lys Lys Leu Ser Ser Ser Ser Ser Arg
 115 65 70 75
 116 Pro Arg Ser Cys Glu Val Pro Gly Ile Asn Ile Phe Pro Ser Pro
 117 80 85 90
 118 Asp Gln Pro Ala Asn Val Pro Val Leu Pro Pro Ala Met Asn Thr
 119 95 100 105
 120 Gly Gly Ser Leu Pro Asp Leu Thr Asn Leu His Phe Pro Pro Pro
 121 110 115 120
 122 Leu Pro Thr Pro Leu Asp Pro Glu Glu Thr Ala Tyr Pro Ser Leu
 123 125 130 135
 124 Ser Gly Gly Asn Ser Thr Ser Asn Leu Thr His Thr Met Thr His
 125 140 145 150
 126 Leu Gly Ile Ser Arg Gly Met Gly Leu Gly Pro Gly Tyr Asp Ala
 127 155 160 165
 128 Pro Gly Leu His Ser Pro Leu Ser His Pro Ser Leu Gln Ser Ser
 129 170 175 180
 130 Leu Ser Asn Pro Asn Leu Gln Ala Ser Leu Ser Ser Pro Gln Pro
 131 185 190 195
 132 Gln Leu Gln Gly Ser His Ser His Pro Ser Leu Pro Ala Ser Ser
 133 200 205 210
 134 Leu Ala Arg His Val Leu Pro Thr Thr Ser Leu Gly His Pro Ser
 135 215 220 225
 136 Leu Ser Ala Pro Ala Leu Ser Ser Ser Ser Ser Ser Ser Ser Thr
 137 230 235 240
 138 Ser Ser Pro Val Leu Gly Ala Pro Ser Tyr Pro Ala Ser Thr Pro
 139 245 250 255
 140 Gly Ala Ser Pro His His Arg Arg Val Pro Leu Ser Pro Leu Ser
 141 260 265 270
 142 Leu Leu Ala Gly Pro Ala Asp Ala Arg Arg Ser Gln Gln Gln Leu
 143 275 280 285
 144 Pro Lys Gln Phe Ser Pro Thr Met Ser Pro Thr Leu Ser Ser Ile
 145 290 295 300
 146 Thr Gln Gly Val Pro Trp Ile Pro Val Asn Cys Pro Leu Thr Ser
 147 305 310 315
 148 Gly
 150 <210> SEQ ID NO: 3
 151 <211> LENGTH: 273
 152 <212> TYPE: PRT
 153 <213> ORGANISM: Homo sapiens
 155 <220> FEATURE:
 156 <221> NAME/KEY: misc_feature
 157 <223> OTHER INFORMATION: Incyte ID No: 1415487CD1

RAW SEQUENCE LISTING DATE: 08/06/2002
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Input Set : A:\pf0681pct_seqlist.txt
 Output Set: N:\CRF3\08062002\I937059.raw

159 <400> SEQUENCE: 3
 160 Met Ile Leu Ser Ser Tyr Phe Ile Asn Phe Ile Tyr Leu Ala Lys
 161 1 5 10 15
 162 Ser Thr Lys Lys Thr Met Leu Thr Leu Thr Leu Val Cys Ala Ile
 163 20 25 30
 164 Thr Phe Leu Leu Val Cys Ser Gly Thr Phe Phe Pro Tyr Ser Ser
 165 35 40 45
 166 Asn Pro Ala Asn Pro Lys Pro Lys Arg Val Phe Leu Gln His Met
 167 50 55 60
 168 Thr Arg Thr Phe His Asp Leu Glu Gly Asn Ala Val Lys Arg Asp
 169 65 70 75
 170 Ser Gly Ile Trp Ile Asn Gly Phe Asp Tyr Thr Gly Ile Ser His
 171 80 85 90
 172 Ile Thr Pro His Ile Pro Glu Ile Asn Asp Ser Ile Arg Ala His
 173 95 100 105
 174 Cys Glu Glu Asn Ala Pro Leu Cys Gly Phe Pro Trp Tyr Leu Pro
 175 110 115 120
 176 Val His Phe Leu Ile Arg Lys Asn Trp Tyr Leu Pro Ala Pro Glu
 177 125 130 135
 178 Val Ser Pro Arg Asn Pro Pro His Phe Arg Leu Ile Ser Lys Glu
 179 140 145 150
 180 Gln Thr Pro Trp Asp Ser Ile Lys Leu Thr Phe Glu Ala Thr Gly
 181 155 160 165
 182 Pro Ser His Met Ser Phe Tyr Val Arg Ala His Lys Gly Ser Thr
 183 170 175 180
 184 Leu Ser Gln Trp Ser Leu Gly Asn Gly Thr Pro Val Thr Ser Lys
 185 185 190 195
 186 Gly Gly Asp Tyr Phe Val Phe Tyr Ser His Gly Leu Gln Ala Ser
 187 200 205 210
 188 Ala Trp Gln Phe Trp Ile Glu Val Gln Val Ser Glu Glu His Pro
 189 215 220 225
 190 Glu Gly Met Val Thr Val Ala Ile Ala Ala His Tyr Leu Ser Gly
 191 230 235 240
 192 Glu Asp Lys Arg Ser Pro Gln Leu Asp Ala Leu Lys Glu Lys Phe
 193 245 250 255
 194 Pro Asp Trp Thr Phe Pro Ser Ala Trp Val Cys Thr Tyr Asp Leu
 195 260 265 270
 196 Phe Val Phe
 198 <210> SEQ ID NO: 4
 199 <211> LENGTH: 222
 200 <212> TYPE: PRT
 201 <213> ORGANISM: Homo sapiens
 203 <220> FEATURE:
 204 <221> NAME/KEY: misc_feature
 205 <223> OTHER INFORMATION: Incyte ID No: 1693184CD1
 207 <400> SEQUENCE: 4
 208 Met Cys Leu Arg Leu Gly Gly Leu Ser Val Gly Asp Phe Arg Lys
 209 1 5 10 15
 210 Val Leu Met Lys Thr Gly Leu Val Leu Val Val Leu Gly His Val

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Input Set : A:\pf0681pct_seqlist.txt
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211	20	25	30
212	Ser Phe Ile Thr Ala Ala Leu Phe His	Gly Thr Val Leu Arg Tyr	
213	35	40	45
214	Val Gly Thr Pro Gln Asp Ala Val Ala	Leu Gln Tyr Cys Val Val	
215	50	55	60
216	Asn Ile Leu Ser Val Thr Ser Ala Ile	Val Val Ile Thr Ser Gly	
217	65	70	75
218	Ile Ala Ala Ile Val Leu Ser Arg Tyr	Leu Pro Ser Thr Pro Leu	
219	80	85	90
220	Arg Trp Thr Val Phe Ser Ser Ser Val	Ala Cys Ala Leu Leu Ser	
221	95	100	105
222	Leu Thr Cys Ala Leu Gly Leu Leu Ala	Ser Ile Ala Met Thr Phe	
223	110	115	120
224	Ala Thr Gln Gly Lys Ala Leu Leu Ala	Ala Cys Thr Phe Gly Ser	
225	125	130	135
226	Ser Glu Leu Leu Ala Leu Ala Pro Asp	Cys Pro Phe Asp Pro Thr	
227	140	145	150
228	Arg Ile Tyr Ser Ser Leu Cys Leu Trp	Gly Ile Ala Leu Val	
229	155	160	165
230	Leu Cys Val Ala Glu Asn Val Phe Ala	Val Arg Cys Ala Gln Leu	
231	170	175	180
232	Thr His Gln Leu Leu Glu Leu Arg Pro	Trp Trp Gly Lys Ser Ser	
233	185	190	195
234	His His Met Met Arg Glu Asn Pro Glu	Leu Val Glu Gly Arg Asp	
235	200	205	210
236	Leu Leu Ser Cys Thr Ser Ser Glu Pro	Leu Thr Leu	
237	215	220	
238	<210> SEQ ID NO: 5		
239	<211> LENGTH: 329		
240	<212> TYPE: PRT		
241	<213> ORGANISM: Homo sapiens		
243	<220> FEATURE:		
244	<221> NAME/KEY: misc_feature		
245	<223> OTHER INFORMATION: Incyte ID No: 1695049CD1		
247	<400> SEQUENCE: 5		
248	Met Pro Gly Lys His Gln His Phe Gln Glu Pro Glu Val Gly Cys		
249	1 5 10 15		
250	Cys Gly Lys Tyr Phe Leu Phe Gly Phe Asn Ile Val Phe Trp Val		
251	20 25 30		
252	Leu Gly Ala Leu Phe Leu Ala Ile Gly Leu Trp Ala Trp Gly Glu		
253	35 40 45		
254	Lys Gly Val Leu Ser Asn Ile Ser Ala Leu Thr Asp Leu Gly Gly		
255	50 55 60		
256	Leu Asp Pro Val Trp Leu Phe Val Val Val Gly Gly Val Met Ser		
257	65 70 75		
258	Val Leu Gly Phe Ala Gly Cys Ile Gly Ala Leu Arg Glu Asn Thr		
259	80 85 90		
260	Phe Leu Leu Lys Phe Phe Ser Val Phe Leu Gly Leu Ile Phe Phe		
261	95 100 105		

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/06/2002
PATENT APPLICATION: US/09/937,059 TIME: 09:50:57

Input Set : A:\pf0681pct_seqlist.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:31; N Pos. 1094